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ABSTRACT

The present invention relates to air bag tethers and to a pattern-wise arrangement of such tethers in relation to air bag panels on a fabric blank, thus resulting in increased fabric utilization per tether and an overall cost savings per finished air bag. The air bag tether system of the present invention is comprised of two congruent tether panels that are joined to one another and to a respective air bag panel. In a preferred embodiment, the tether panel that is attached to the face panel of the air bag is cut in alignment with the warp and the fill of the fabric blank, while the rear tether panel that is attached to the rear panel of the air bag is cut on the bias with respect to the warp and the fill of the fabric blank. The two tether panels are then connected to one another to form a functional tether system. This two-piece construction, with one bias-cut piece, decreases the amount of fabric that is used in the manufacture of the air bag and tethers, while providing sufficient elongation for the tether system to be functional.